



TITLE: SYSTEM AND METHOD FOR PROVIDING QUALITY OF SERVICE OPERATIONS USING IP ADDRESSES

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REPLACEMENT SHEET

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IPv6 128 BIT ADDRESSING  
A. B. C. D. E. F. Y. Z

↓  
4 BITS OF 16-BIT (D)  
PORTION OF IPv6 ADDRESS

↓  
16 DIFFERENT COMBINATIONS

UNUSED  
INTERNET TELEPHONY  
VIDEO CONFERENCING

0000  
0001  
0010  
0011

⋮

ENTERTAINMENT ZONE  
UNUSED

1110  
1111

} DEFINED "ZONES"  
OR QUALITY OF  
SERVICE CLASSES

**FIG. 1**

┌───────────┐  
└───────────┘ "D"  
A.B.C. 1110 0000 0000 0000. E.F.Y.Z

**FIG. 2**

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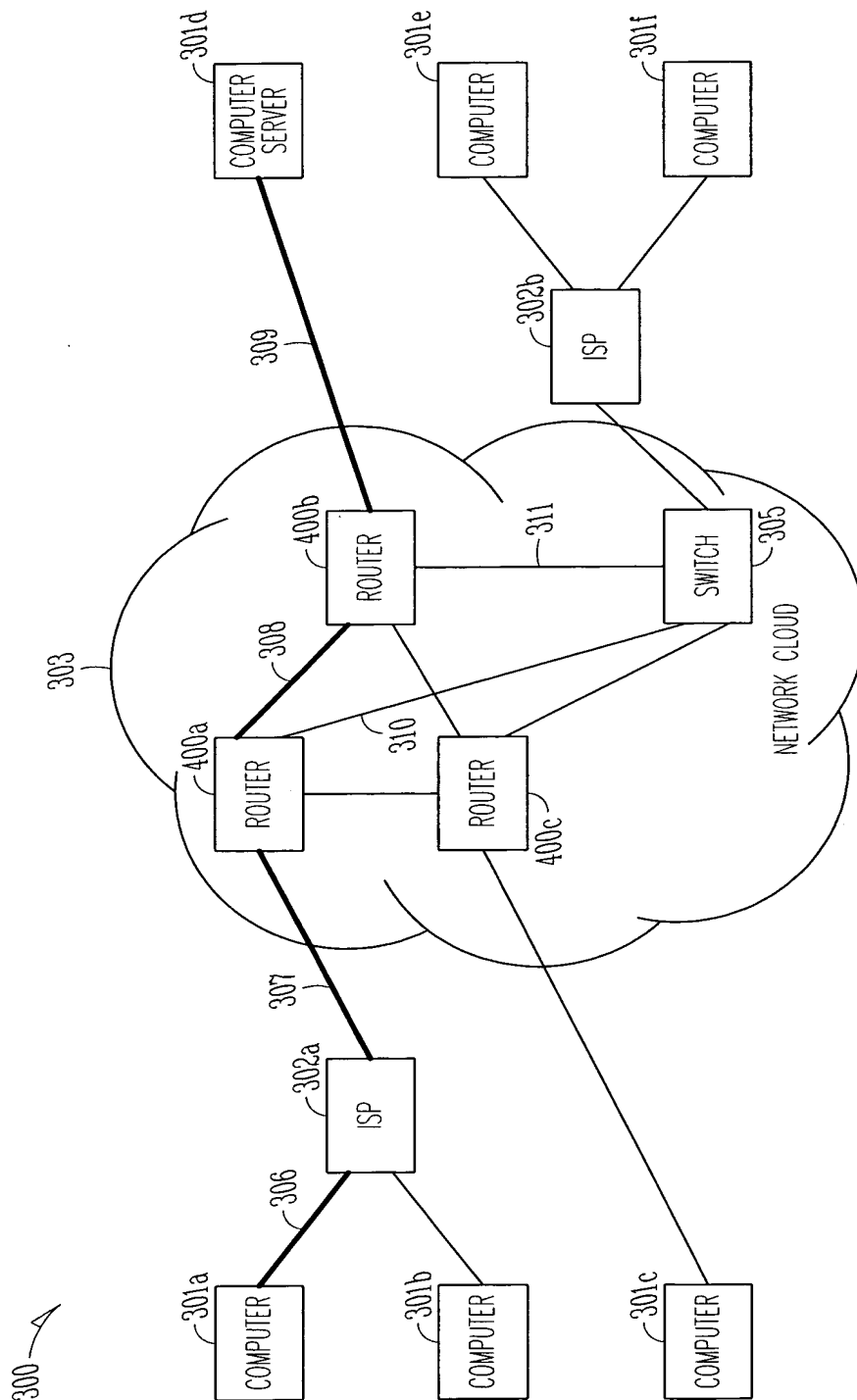


FIG. 3

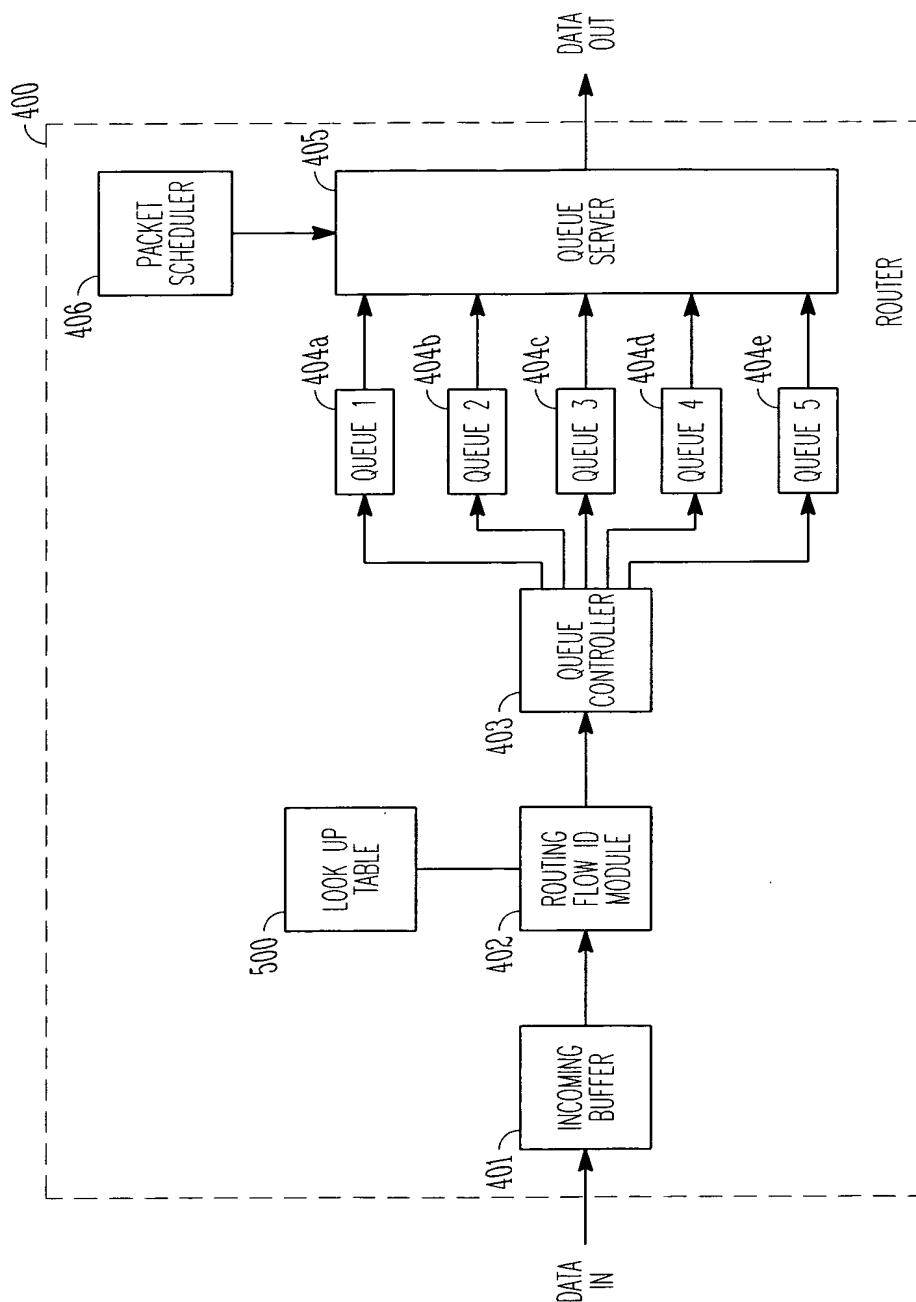


FIG. 4

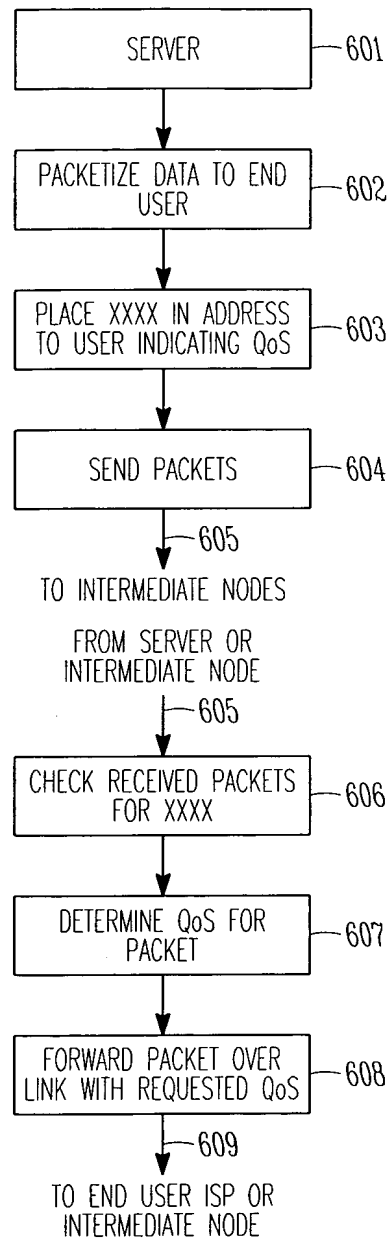
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QoS LOOKUP TABLE

0001	QoS LEVEL 1	(INTERNET TELEPHONY)
0010	QoS LEVEL 2	(VIDEO CONFERENCING)
0011	QoS LEVEL 3	
0100	QoS LEVEL 4	
0101	QoS LEVEL 5	
0110	QoS LEVEL 6	
0111	QoS LEVEL 7	
1000	QoS LEVEL 8	500
1001	QoS LEVEL 9	
1010	QoS LEVEL 10	
1011	QoS LEVEL 11	
1100	QoS LEVEL 12	
1101	QoS LEVEL 13	
1110	QoS LEVEL 14	(LOWEST LEVEL)

**FIG. 5**

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**FIG. 6**